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PATENT

Attorney Docket No.: 020144-001111US

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Steffen Nock, et al.

Divisional of Application
No.: 09/874,547

Filed: June 4, 2001

For: SCREENING OF PHAGE
DISPLAYED PEPTIDES WITHOUT
CLEARING OF THE CELL CULTURE

Customer No.: 20350

Examiner: Epperson, Jon D.

Art Unit: 1639

INFORMATION DISCLOSURE
STATEMENT UNDER 37 CFR §1.97 and
§1.98

MAIL STOP PATENT APPLICATION

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

The references cited on attached form PTO/SB/08A and PTO/SB/08B are being called to the attention of the Examiner. In accordance with 37 CFR §1.98(d), copies of the references can be found in Application No. 09/874,547, filed June 4, 2001 (Attorney Docket No. 020144-001110US). It is respectfully requested that the cited references be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

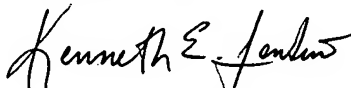
As provided for by 37 CFR 1.97(g) and (h), no inference should be made that the information and references cited are prior art merely because they are in this statement and no

representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information.

Applicant believes that no fee is required for submission of this statement.

However, if a fee is required, the Commissioner is authorized to deduct such fee from the undersigned's Deposit Account No. 20-1430. Please deduct any additional fees from, or credit any overpayment to, the above-noted Deposit Account.

Respectfully submitted,


Kenneth E. Jenkins, Ph.D.
Reg. No. 51,846

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60073154 v1

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>			Complete if Known		
			Application Number	Division of Application No. 09/874,547	
			Filing Date	June 4, 2001	
			First Named Inventor	Nock, Steffen	
			Art Unit	1639	
Examiner Name	Epperson, Jon D.				
Sheet	1	of	Attorney Docket Number 020144-001111US		

U.S. PATENT DOCUMENTS+					
Examiner Initials*	Cite No. ¹	Document Number Number Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	AA	US-6,451,527	09-17-2002	Larocca et al.	

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)				
	AB	WO	95/16027	A1	06-15-1995			<input type="checkbox"/>
	AC	WO	95/34648	A1	12-21-1995			<input type="checkbox"/>
	AD	WO	99/57312	A1	11-11-1999			<input type="checkbox"/>
	AE	WO	00/31246	A2	06-02-2000			<input type="checkbox"/>

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² Kind Codes of U.S. Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Complete if Known		
			Application Number	Division of Application No. 09/874,547	
			Filing Date	June 4, 2001	
			First Named Inventor	Nock, Steffen	
			Art Unit	1639	
			Examiner Name	Epperson, Jon D.	
Sheet	2	of		Attorney Docket Number	020144-001111US

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²	
	AF	Griffiths, <i>et al.</i> "Isolation of High Affinity Human Antibodies Directly From Large Synthetic Repertoires" <i>Embo Journal</i> (July 1994) Vo. 13(14), pp. 3245-3260.		
	AG	Haard, <i>et al.</i> "A Large Non-immunized Human Fab Fragment Phage Library That Permits Rapid Isolation and Kinetic Analysis of High Affity Antibodies" <i>J. of Biological Chemistry</i> (June 1999) Vol. 274(26), pp. 18218-18230.		
	AH	Krebber, <i>te al.</i> "Selectivity-infective Phage (SIP): A Mechanistic Dissection of a Novel in vivo Selection for Protein-ligand Interactions" <i>J. Molecular Biology</i> (1997) Vol. 268(3), pp. 607-618.		
	AI	Phillps, Lisa M., "Detection of Antibody Display Phage Without Clearing of Bacterial Culture" <i>Biotechniques</i> (2000) Vol. 26(4), pp. 737-740.		
	AJ	Sheets, <i>et al.</i> "Efficient Construction of a Large Nonimmune Phage Antibody Library: The Production of High-affinity Human Single-chain Antibodies to Protein Antibodies to Protein Antigen" <i>Proc. Natl. Acad. Sci.</i> (May 1998) Vol. (95), pp. 6157-6162.		
	AK	Cabilly <i>et al.</i> , "Screening Phage Display Peptide Libraries on Nitrocellulose Membranes"; <i>Combinational Peptide Library Protocols</i> . Edited by S. Cabilly Totowa, New Jersey: Humana Press, 1998.		
	AL	Smith <i>et al.</i> "Libraries of Peptides and Proteins Displayed on Filamentous Phage"; <i>Methods in Enzymology</i> 1993 Vol. 217.		
	AM	Light <i>et al.</i> "Expression cloning of cDNA by phage display selection"; <i>Nucleic Acids Research</i> 1996 pp. 4367-4368 Vol. 24 No. 21.		

Examiner Signature		Date Considered	
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² Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.